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TRANSMITTAL FORM

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Total Number of Pages in This Submission

13

Application Number 09/557,423

Filing Date 04/21/2000

First Named Inventor Boris P. Belotserkovskii

Art Unit 1636

Examiner Name David A. Lambertson

Attorney Docket Number 41428-0312-1

ENCLOSURES (Check all that apply)

- | | | |
|---|--|---|
| <input type="checkbox"/> Fee Transmittal Form | <input type="checkbox"/> Drawing(s) | <input type="checkbox"/> After Allowance Communication to TC |
| <input type="checkbox"/> Fee Attached | <input type="checkbox"/> Licensing-related Papers | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
| <input checked="" type="checkbox"/> Amendment/Reply (6 pgs) | <input type="checkbox"/> Petition | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information |
| <input type="checkbox"/> Affidavits/declaration(s) | <input type="checkbox"/> Power of Attorney and Correspondence Address Indication Form (1 pg) | <input type="checkbox"/> Status Letter |
| <input type="checkbox"/> Extension of Time Request | <input type="checkbox"/> Statement Under 37 CFR 3.73(b) (1 pg) | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): |
| <input type="checkbox"/> Express Abandonment Request | <input type="checkbox"/> Request for Refund | return postcard |
| <input type="checkbox"/> Information Disclosure Statement | <input checked="" type="checkbox"/> Statement under 37 CFR 1.821-1.825 (1 pg) | |
| | <input checked="" type="checkbox"/> 1 paper copy (5 pgs) & 1 diskette | |
| <input type="checkbox"/> Certified Copy of Priority Document(s) | Remarks | |
| <input type="checkbox"/> Reply to Missing Parts/Incomplete Application | The Commissioner is authorized to charge any additional fees which may be required, including petition fees and extension of time fees to Deposit Account No. 08-1641. | |
| <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | | |

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Heller Ehrman White & McAuliffe LLP		
Signature			
Printed name	Daniel M. Becker		
Date	November 29, 2004	Reg. No.	38,376

CERTIFICATE OF TRANSMISSION/MAILING

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Signature			
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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Practitioner's Docket No. : 41428.0312

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applic. No.: 09/557,423

Confirm. No.: 6773

Group Art Unit.: 1636

Applicant: BELOTSEKOVSKII *et al.*

Examiner: David A. Lambertson

Filed: April 21, 2000

For: LOCKED NUCLEIC ACID HYBRIDS AND METHODS OF USE

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT AND RESPONSE TO EX PARTE QUAYLE ACTION

Sir:

In response to the *Ex parte Quayle* Action mailed on September 30, 2004 in connection with the above-identified patent application, setting a two (2) month deadline for response, applicants submit herewith:

- a substitute Sequence Listing in paper form;
- a substitute Sequence Listing in computer readable format (CRF);
- the required statement under 37 C.F.R. § 1.821,

and the following amendments to the specification and remarks.

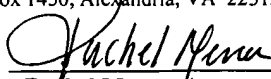
Amendments to the specification begin on page 2 of this paper.

Remarks begin on page 6 of this paper.

CERTIFICATE OF MAILING (37 CFR 1.10(a))

CERTIFICATE OF MAILING BY "EXPRESS MAIL" - Rule 10: I hereby certify that this correspondence is being deposited on November 29, 2004 with the U.S. Postal Service "Express Mail Post Office to Addressee" under 37 CFR 1.10 as **Express Mail No. EL 993 690 910 US**, addressed to Mail Stop: Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: November 29, 2004


Rachel Mena